

Safety Data Sheet

acc. To OSHA HCS

Revision Date: 12/3/2015

1 Identification

Product Identifier *Epiweld 4 Cracks Part A*

Article number:

Relevant Identified uses of the substance or mixture and uses advised against *No further relevant information available*

Application of the substance / the mixture

Details of the supplier of the safety data sheet

Manufacturer/Supplier *Lambert Corporation
20 Coburn Ave. Orlando, FL 32805
(407) 841-2940*

Emergency Telephone Number: *(800) 424-9300 - Chemtrec*

Information Department: *Environmental, Health, and Safety department*

2 Hazard(s) Identification

Classification of the substance or mixture

Classification System:

Hazard Pictograms



GHS07

Signal Word *Warning*

Hazard-determining components of labeling:

Hazard Statements

Harmful if swallowed

Causes eye irritation

May cause an allergic skin reaction.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves

Wash contaminated clothing before reuse

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

Classification system:

HMIS ratings (scale 0 - 4)

HEALTH	2
FIRE	1
PHYSICAL HAZARD	0

Other Hazards**Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable**3 Composition/Information on Ingredients****Chemical Characterization: Mixtures****Description:** Mixture of the substances listed below with nonhazardous additions**Dangerous Components:**

Reaction product of Epichlorohydrin and Bisphenol A

Alkyl Glycidyl Ether

Additional information For the wording of the listed risk phrases refer to section 16.**4 First-Aid Measures****Description of first aid measures****General Information:**

Immediately remove any clothing soiled by the product

In the event of persistent symptoms receive medical treatment.

After Inhalation:

Supply fresh air and call a doctor if symptoms persist

After Skin Contact:

Immediately wash with water and soap and rinse thoroughly

If skin irritation continues, consult a doctor

After Eye Contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Swallowing:

Clean mouth with water and drink afterwards plenty of water. Consult doctor if symptoms persist

Most important symptoms and effects, both acute and delayed: No further information available**Indication of any immediate medical attention and special treatment needed:** No further information available**5 Fire-Fighting Measures**

Extinguishing media:

Suitable extinguishing agents: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Special hazards arising from the substance or mixture: No further information available

Advice for firefighters:

Protective equipment: Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode

6 Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Environmental procedures:

Do not allow product to reach sewage system or any water course.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

Precautions for safe handling: Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

Information for protection against explosions and fires: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s): N/A

8 Exposure Controls/Personal Protection

Additional information about design of technical systems: N/A

Control parameters:

Components with limit values that require monitoring at the workplace:

Additional information:

Exposure controls: The lists that were valid during the creation were used as basis

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective Gloves

Material of gloves: Nitrile Rubber

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Wear appropriate eye protection to prevent eye contact.

9 Physical and Chemical Properties

Information of basic physical and chemical properties

General information

Appearance:

Form: Liquid

Color: Amber

Odor: Amine Odor

Odor threshold: Not determined

pH- value: Not determined

Change in condition:

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not applicable

Flash point: Not applicable

Flammability (solid, gaseous):	<i>Not applicable</i>
Ignition temperature:	<i>Not applicable</i>
Decomposition temperature:	<i>Not determined</i>
Auto igniting:	<i>Not self-igniting</i>
Danger of explosion:	<i>No explosion hazard</i>
Explosion limits:	
Lower:	<i>Not determined</i>
Upper:	<i>Not determined</i>
Vapor pressure at 20 °C (68 °F):	<i>Not determined</i>
Density at 20 °C (68 °F)	<i>Not determined</i>
Relative density:	<i>Not determined</i>
Vapor density:	<i>Not determined</i>
Evaporation rate:	<i>Not determined</i>
Solubility in / Miscibility with Water:	<i>Negligible</i>
Viscosity:	
Dynamic:	<i>Not determined</i>
Kinematic:	<i>Not determined</i>
Other information:	<i>None</i>

10 Stability and Reactivity

Reactivity:	<i>No decomposition if stored and applied as directed</i>
Chemical stability:	<i>No decomposition if stored and applied as directed</i>
Thermal decomposition / Conditions to be avoided:	<i>No decomposition if used according to specifications.</i>
Possibility of hazardous reactions:	<i>No dangerous reactions known.</i>
Conditions to avoid:	<i>Keep away from heat and sources of ignition</i>
Incompatible materials:	<i>No further relevant information available</i>
Hazardous decomposition products:	<i>No dangerous decomposition products known</i>

11 Toxicological Information:

Information on toxicological effects:

Primary irritant effect:

on the skin: *May cause skin irritation*

on the eye: *May cause irritation*

Sensitization: *Sensitization possible through skin contact.*

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients listed

NTP (National Toxicology Program)

None of the ingredients listed

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients listed.

12 Ecological Information

Toxicity: *No further relevant information available.*

Aquatic toxicity: *No further relevant information available.*

Persistence and degradability:

Bioaccumulative potential: *No further relevant information available.*

Mobility in soil: *No further relevant information available.*

Additional ecological information:

General notes: *Water hazard class 1 (Self-assessment): slightly hazardous for water*

Results of PBT and vPvB assessment:

PBT: *Not applicable*

vPvB: *Not applicable*

Other adverse effects: *No further relevant information available.*

13 Disposal Considerations

Waste treatment methods:

Recommendation: *It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations*

Uncleaned packagings:

Recommendation: *Disposal must be made according to Federal, State, and Local regulations*

14 Transport Information

UN-Number:

DOT, ADR, IMDG, IATA: *Not Regulated*

UN proper shipping name:

ADR: *Not Regulated*

Transport hazard class(es):**DOT, ADR, IMDG, IATA:****Class:** *Not Regulated***Packing group:****DOT, ADR, IMDG, IATA:** *III***Environmental hazards:****Marine pollutant:** *No***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable***Transport/Additional information:****ADR:****U.S. Domestic Ground Shipments:** *Not Regulated by D.O.T.***U.S. Domestic ground Non-Bulk (119 gal or less per container) Shipments:** *Same as listed for Standard Shipments above***Emergency Response Guide (ERG) Number:** *Not determined***UN "Model Regulation":****15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture:****Sara:****Section 355 (extremely hazardous substances):** *None of the ingredients listed***Section 313 (Specific toxic chemical listings):** *This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below**None of the ingredients listed.***TSCA (Toxic Substances Control Act):***All ingredients are listed***Proposition 65:****Chemicals known to the State of California (Prop. 65) to cause cancer:***None of the ingredients listed.***Chemicals known to cause reproductive toxicity for females:***None of the ingredients listed.***Chemicals known to cause reproductive toxicity for males:***None of the ingredients listed.***Chemicals known to cause developmental toxicity:***None of the ingredients listed.***Cancerogenity categories:**

EPA (Environmental Protection Agency):

None of the ingredients listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients listed.

MAK (German Maximum Workplace Concentration):

None of the ingredients listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients listed.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

GHS07

Signal word: Danger

Hazard-determining components of labeling:**Hazard Statements**

Harmful if swallowed

Causes eye irritation

May cause an allergic skin reaction.

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves

Wash contaminated clothing before reuse

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

Department issuing MSDS: Environmental, Health & Safety Department

Contact: Environmental, Health & Safety Manager

Date of preparation / Last revision: 12/3/2015

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 1B: Carcinogenicity, Hazard Category 1B

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1 Identification

Product Identifier *Epiweld 4 Cracks Part B*

Article number:

Relevant Identified uses of the substance or mixture and uses advised against *No further relevant information available*

Application of the substance / the mixture

Details of the supplier of the safety data sheet

Manufacturer/Supplier *Lambert Corporation
20 Coburn Ave. Orlando, FL 32805
(407) 841-2940*

Emergency Telephone Number: *(800) 424-9300 - Chemtrec*

Information Department: *Environmental, Health, and Safety department*

2 Hazard(s) Identification

Classification of the substance or mixture

Classification System:

Hazard Pictograms



GHS07

Signal Word *Warning*

Hazard-determining components of labeling:

Hazard Statements

Harmful if swallowed

Causes eye irritation

May cause an allergic skin reaction.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves

Wash contaminated clothing before reuse

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

Classification system:

HMIS ratings (scale 0 - 4)

HEALTH	3
FIRE	1
PHYSICAL HAZARD	0

Other Hazards**Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable**3 Composition/Information on Ingredients****Chemical Characterization: Mixtures****Description:** Mixture of the substances listed below with nonhazardous additions**Dangerous Components:***n*-Aminoethylpiperazine

Triethylenetetramine

Cycloaliphatic Amine

Nonyl phenolpolyamido Amine

Additional information For the wording of the listed risk phrases refer to section 16.**4 First-Aid Measures****Description of first aid measures****General Information:**

Immediately remove any clothing soiled by the product

In the event of persistent symptoms receive medical treatment.

After Inhalation:

Supply fresh air and call a doctor if symptoms persist

After Skin Contact:

Immediately wash with water and soap and rinse thoroughly

If skin irritation continues, consult a doctor

After Eye Contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Swallowing:

Clean mouth with water and drink afterwards plenty of water. Consult doctor if symptoms persist

Most important symptoms and effects, both acute and delayed: No further information available**Indication of any immediate medical attention and special treatment needed:** No further information available

5 Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing agents: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Special hazards arising from the substance or mixture: No further information available

Advice for firefighters:

Protective equipment: Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Environmental procedures:

Do not allow product to reach sewage system or any water course.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

Precautions for safe handling: Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

Information for protection against explosions and fires: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s): N/A

8 Exposure Controls/Personal Protection

Additional information about design of technical systems: N/A

Control parameters:

Components with limit values that require monitoring at the workplace:

Additional information:

Exposure controls: The lists that were valid during the creation were used as basis

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective Gloves

Material of gloves: Nitrile Rubber

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Wear appropriate eye protection to prevent eye contact.

9 Physical and Chemical Properties

Information of basic physical and chemical properties

General information

Appearance:

Form: Liquid

Color: Amber

Odor: Amine Odor

Odor threshold: Not determined

pH- value: Not determined

Change in condition:

Melting point/Melting range: Not determined

Boiling point/Boiling range:	<i>Not applicable</i>
Flash point:	<i>Not applicable</i>
Flammability (solid, gaseous):	<i>Not applicable</i>
Ignition temperature:	<i>Not applicable</i>
Decomposition temperature:	<i>Not determined</i>
Auto igniting:	<i>Not self-igniting</i>
Danger of explosion:	<i>No explosion hazard</i>
Explosion limits:	
Lower:	<i>Not determined</i>
Upper:	<i>Not determined</i>
Vapor pressure at 20 °C (68 °F):	<i>Not determined</i>
Density at 20 °C (68 °F)	<i>Not determined</i>
Relative density:	<i>Not determined</i>
Vapor density:	<i>Not determined</i>
Evaporation rate:	<i>Not determined</i>
Solubility in / Miscibility with Water:	<i>Negligible</i>
Viscosity:	
Dynamic:	<i>Not determined</i>
Kinematic:	<i>Not determined</i>
Other information:	<i>None</i>

10 Stability and Reactivity

Reactivity:	<i>No decomposition if stored and applied as directed</i>
Chemical stability:	<i>No decomposition if stored and applied as directed</i>
Thermal decomposition / Conditions to be avoided:	<i>No decomposition if used according to specifications.</i>
Possibility of hazardous reactions:	<i>No dangerous reactions known.</i>
Conditions to avoid:	<i>Keep away from heat and sources of ignition</i>
Incompatible materials:	<i>No further relevant information available</i>
Hazardous decomposition products:	<i>No dangerous decomposition products known</i>

11 Toxicological Information:

Information on toxicological effects:	
Primary irritant effect:	
on the skin:	<i>May cause skin irritation</i>
on the eye:	<i>May cause irritation</i>
Sensitization:	<i>Sensitization possible through skin contact.</i>

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients listed

NTP (National Toxicology Program)

None of the ingredients listed

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients listed.

12 Ecological Information

Toxicity: No further relevant information available.

Aquatic toxicity: No further relevant information available.

Persistence and degradability:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Waste treatment methods:

Recommendation: It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations

Uncleaned packagings:

Recommendation: Disposal must be made according to Federal, State, and Local regulations

14 Transport Information

UN-Number:

DOT, ADR, IMDG, IATA: Not Regulated

UN proper shipping name:

ADR: *Not Regulated*

Transport hazard class(es):

DOT, ADR, IMDG, IATA:

Class: *Not Regulated*

Packing group:

DOT, ADR, IMDG, IATA: *III*

Environmental hazards:

Marine pollutant: *No*

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Transport/Additional information:

ADR:

U.S. Domestic Ground Shipments: *Not Regulated by D.O.T.*

U.S. Domestic ground Non-Bulk (119 gal or less per container) Shipments:

Same as listed for Standard Shipments above

Emergency Response Guide (ERG) Number: *Not determined*

UN "Model Regulation":

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Sara:

Section 355 (extremely hazardous substances): *None of the ingredients listed*

Section 313 (Specific toxic chemical listings):

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below

None of the ingredients listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed

Proposition 65:

Chemicals known to the State of California (Prop. 65) to cause cancer:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients listed.

Chemicals known to cause developmental toxicity:

None of the ingredients listed.

Carcinogenicity categories:

EPA (Environmental Protection Agency):

None of the ingredients listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients listed.

MAK (German Maximum Workplace Concentration):

None of the ingredients listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients listed.

GHS label elements: *The product is classified and labeled according to the Globally Harmonized System (GHS).*

Hazard pictograms:



GHS07

Signal word: *Danger*

Hazard-determining components of labeling:

Hazard Statements

Harmful if swallowed

Causes eye irritation

May cause an allergic skin reaction.

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves

Wash contaminated clothing before reuse

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

National regulations:

Water hazard class: *Water hazard class 1 (Self-assessment): slightly hazardous for water*

Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

16 Other Information

Department issuing MSDS: *Environmental, Health & Safety Department*

Contact: *Environmental, Health & Safety Manager*

Date of preparation / Last revision: *12/3/2015*

Abbreviations and acronyms:

ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the*

International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 1B: Carcinogenicity, Hazard Category 1B